

SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA

THOMSON **AM 1480**
AM 1485

Version (PC*): A

*PC: The version code is indicated either in the battery compartment or on the back of the unit - ce code version est indiqué dans le compartiment à piles ou au dos de l'appareil - PC: Version des Geräts wird im Batteriefach oder auf der Rückseite angegeben - il codice della versione è indicato nello scompartimento delle batterie o sul retro dell'apparecchio - el código de la versión está indicado en el compartimento de las pilas o en la parte trasera del aparato.



Technical data - Caractéristiques principales
Technische Daten - Dati tecnici - Características del aparato

Type of set : Type d'appareil : Geräteart : Tipo d'apparecchio : Tipo de aparato :	Cassette radio recorder / compact disc Combiné radio cassette / CD CD-Radio Cassetten Portable Insieme radio cassette / CD Radio cassette / CD	 150 mm  230 mm  230 mm  3,5 kg
Power supply : Alimentation : Stromversorgung : Alimentazione : Alimentación :	230 V ~	Nominal output power : Puissance nominale de sortie : Nennausgangsleistung : potenza nominale di uscita : Potencia nominal de salida :
 FM - MF :  MW - PO :  LW - GO :	87,5 - 108 MHz 522 - 1620 kHz 150 - 283 kHz	 Sensitivity :  FM - MF : 8 µV (S/N = 45 dB)  Empfindlichkeit : MW - PO : 1000 µV/m (S/N = 20 dB)  Sensibilità : LW - GO : 2500 µV/m (S/N = 30 dB)  Sensibilidad :
 Frequency response : Courbe de réponse : Frequenzgang : Curva di risposta : Curva de respuesta :	125 Hz - 6,3 kHz (+5 / -5 dB)	Signal to noise ratio : Rapport signal / bruit : Geräuschspannungsabstand : Rapporto segnale / disturbo : Relación señal / ruido :
 Wow and flutter : Fluctuations : Gleichlauf : Fluttuazioni : Fluctuaciones :	0,35 %	 4,75 cm/s  C60 : 170 s
 DAD	Disc rotation speed : Vitesse de rotation du disque : CD-Drehgeschwindigkeit : 200 → 500 tr/m Velocità di rotazione del disco : Velocidad de rotación del disco :	Frequency response : Courbe de réponse : Frequenzgang : 100 Hz - 16kHz Curva di risposta : (-4/+2 dB) Curva de respuesta :
Stereo separation :	45 dB	Signal to noise ratio : Rapport signal / bruit : Geräuschspannungsabstand : Rapporto segnale / disturbo : Relación señal / ruido :



WARNING : Before servicing this chassis read the safety recommendations.

ATTENTION : Avant toute intervention sur ce châssis, lire les recommandations de sécurité.

ACHTUNG : Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.

ATTENZIONE : Prima di intervenire sullo chassis, leggere le norme di sicurezza.

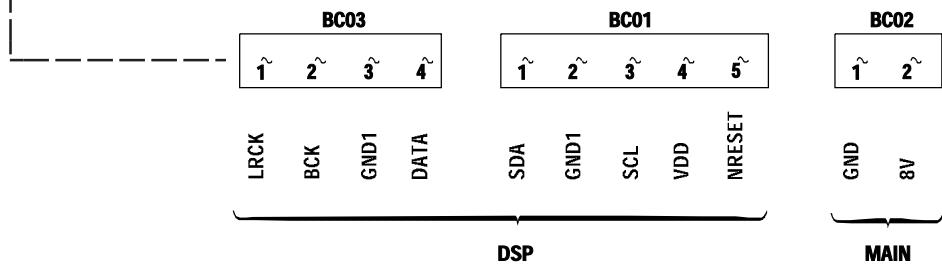
IMPORTANTE : Antes de cualquier intervención, leer las recomendaciones de seguridad.

Code : 356 570 00 - 1002 / 3,7M - CRKD2103 Print.

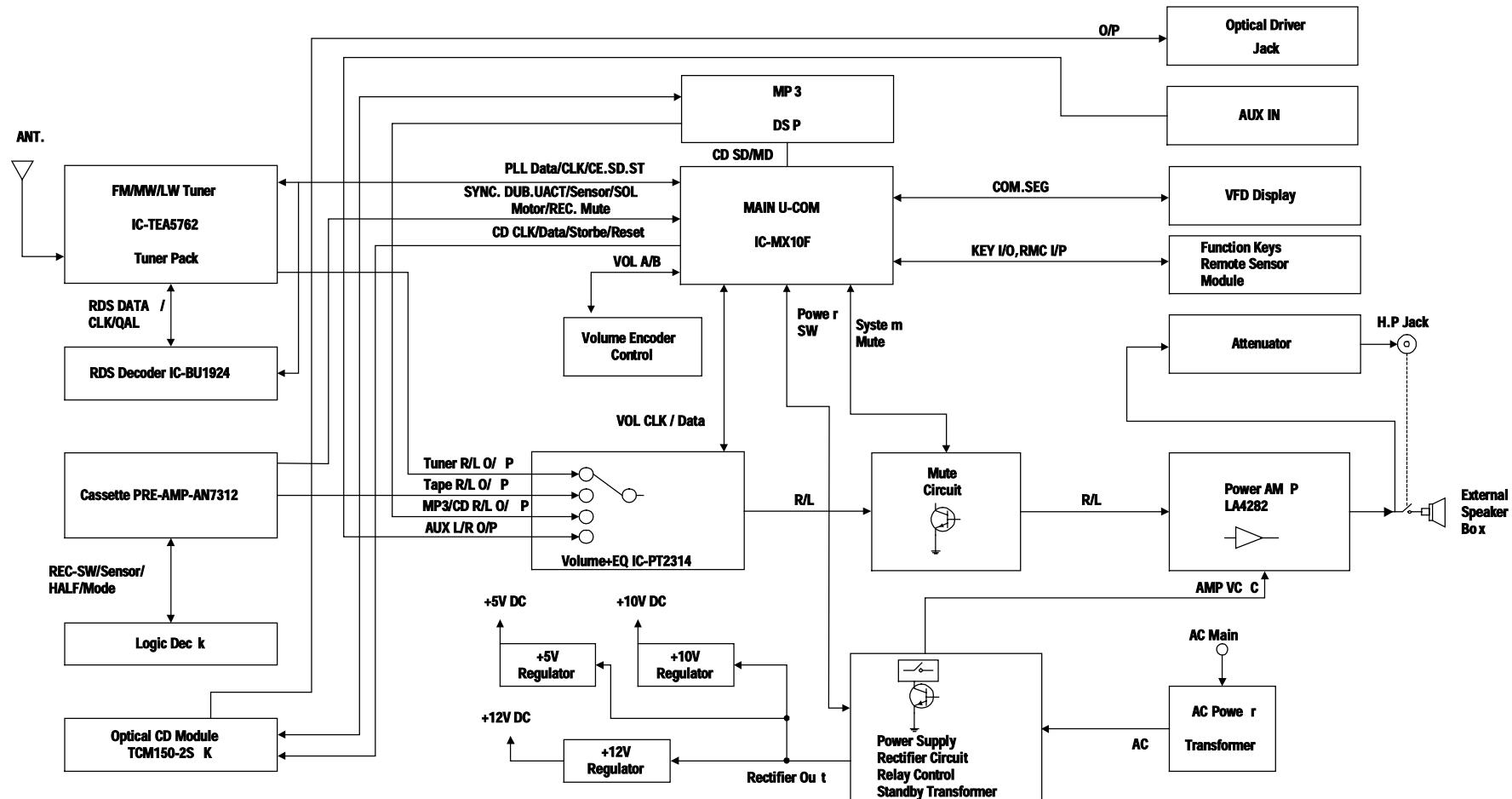
**DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL -
SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE -
ESQUEMA DEL TRATAMIENTO DIGITAL**

The complete Digital Processing Module is available from A.S.S. under Part Number :
En SAV, l'ensemble du module traitement digital est géré sous le code :
Die Service Bestell-Nr. für das Modul "Digital Processing kompl." ist :
Il codice del modulo completo di elaborazione digitale è :
En postventa, el modulo completo tratamiento digital lleva el código :

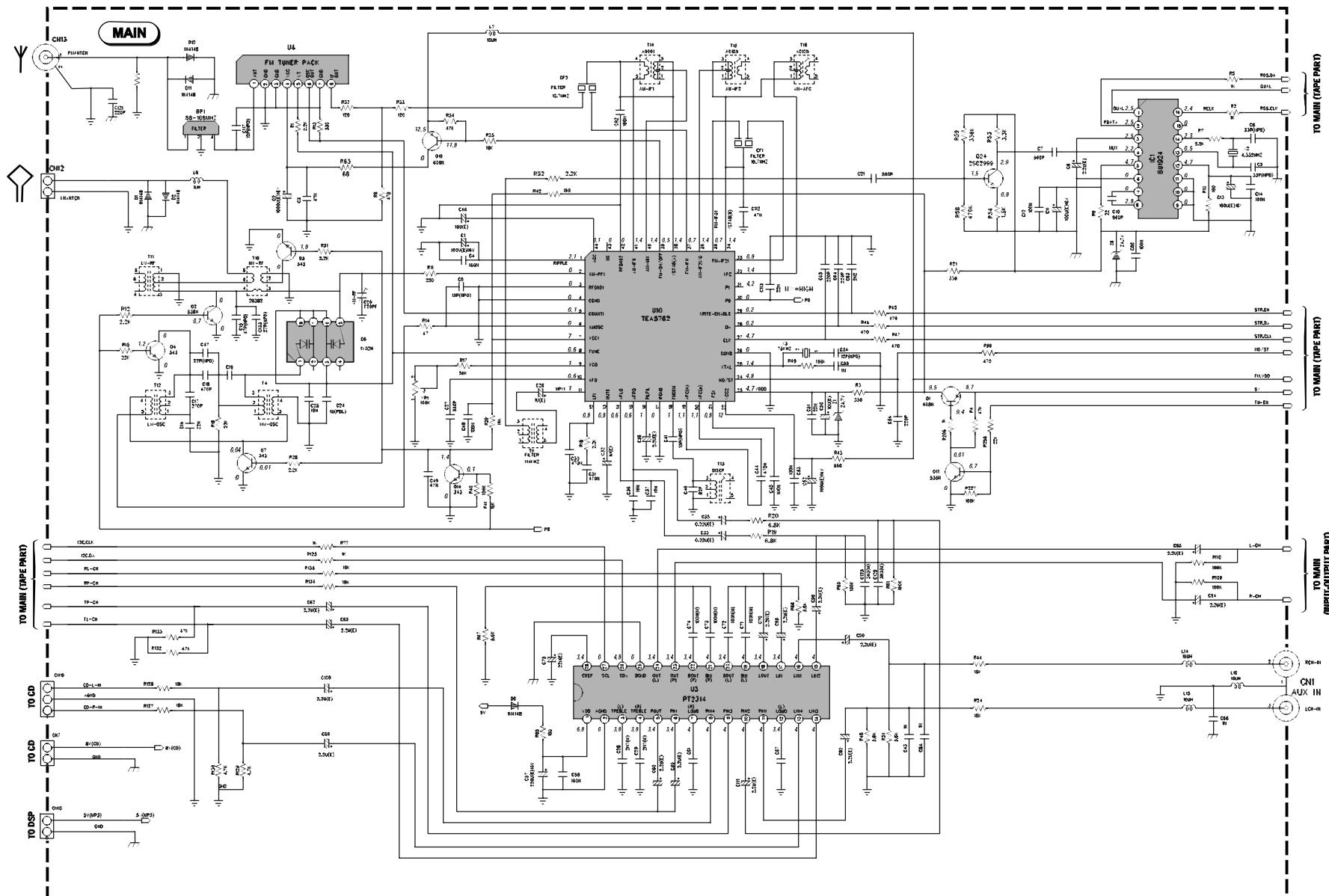
107 572 40



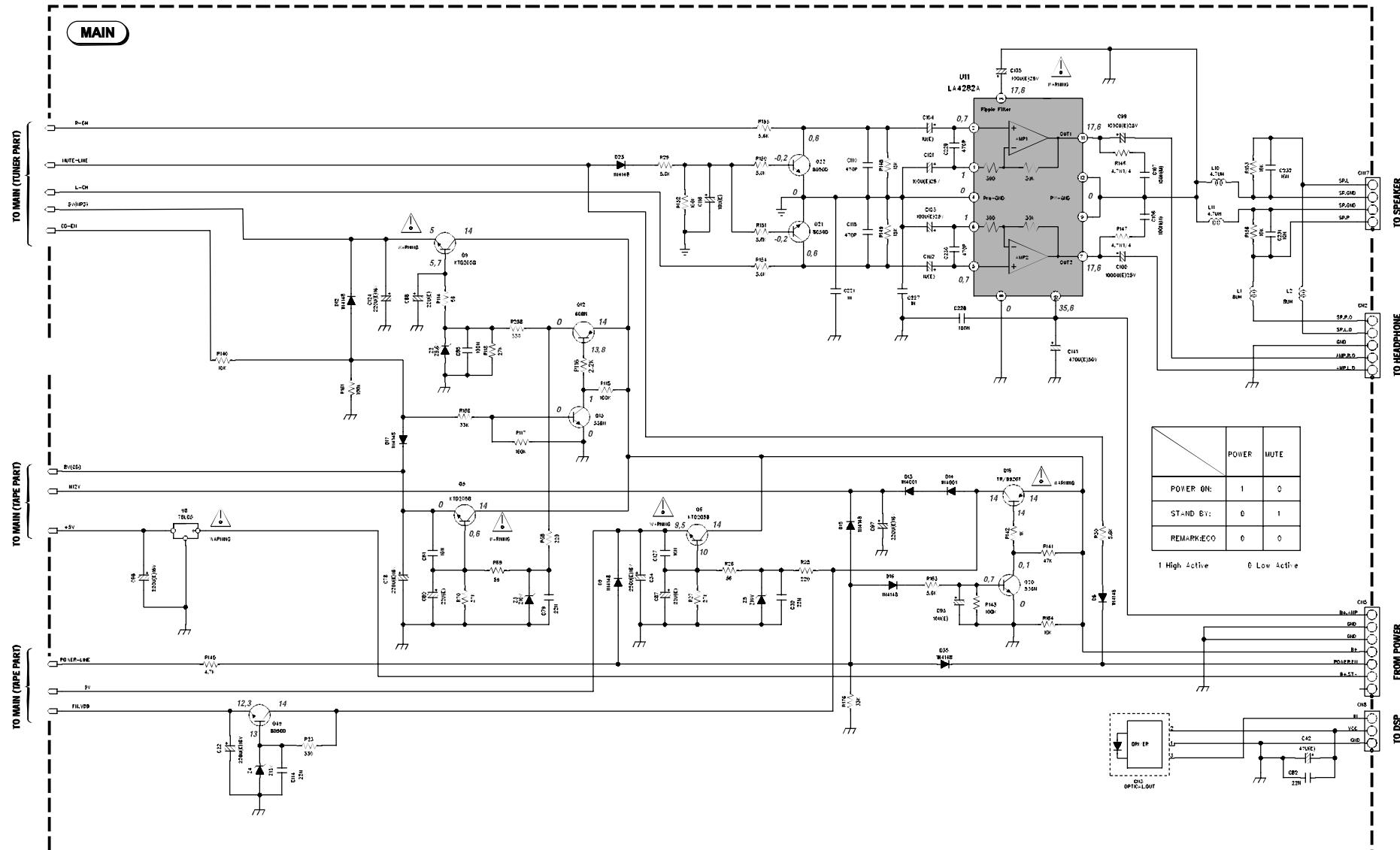
BLOCK DIAGRAM - SCHÉMA SYNOPTIQUE - BLOCKSCHALTBILD - SCHEMA A BLOCCHI - ESQUEMA DE BLOQUES



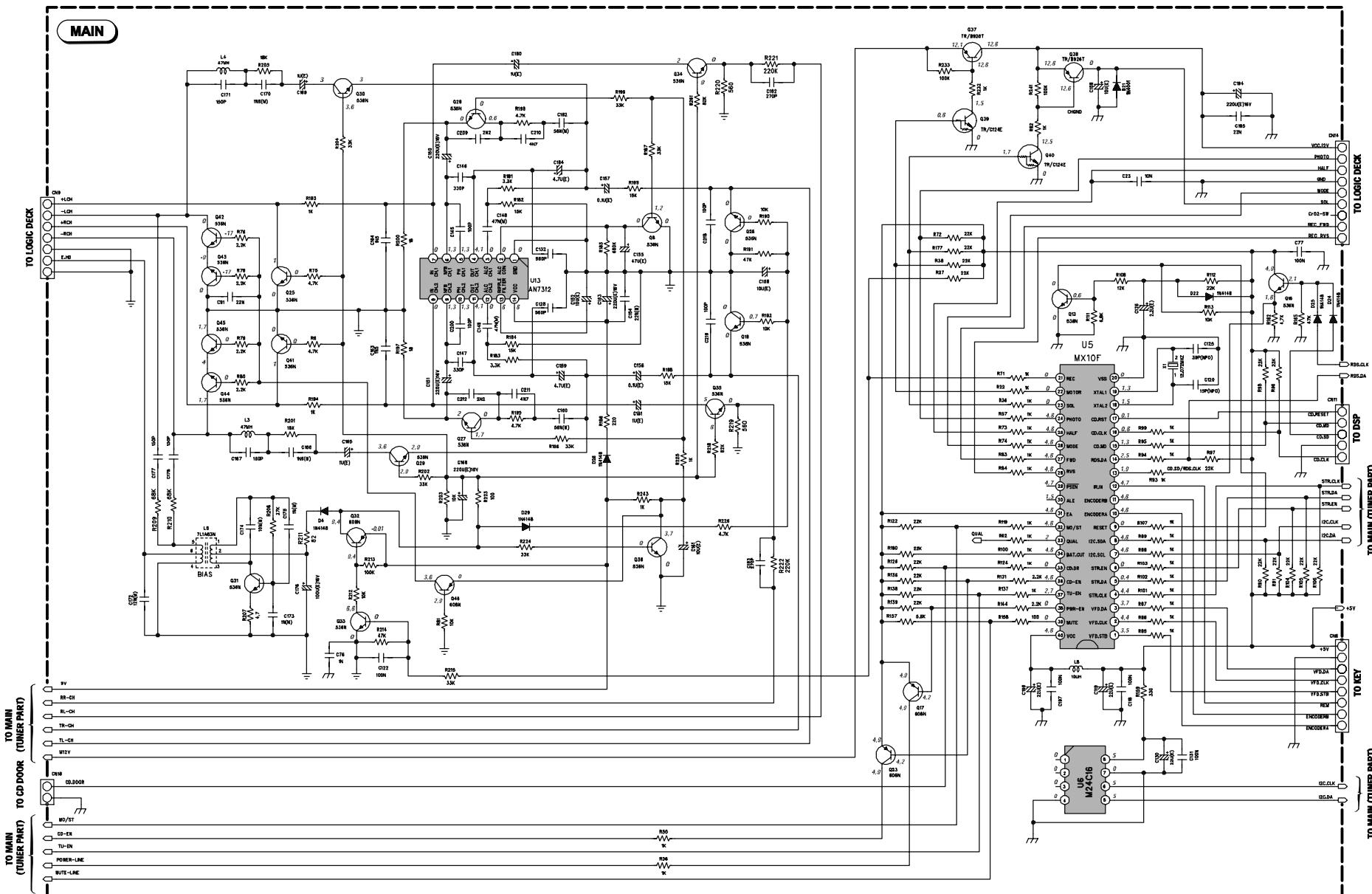
MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL (TUNER PART)



MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL
(INPUT OUTPUT PART)



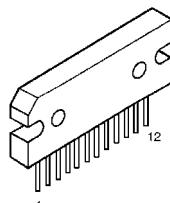
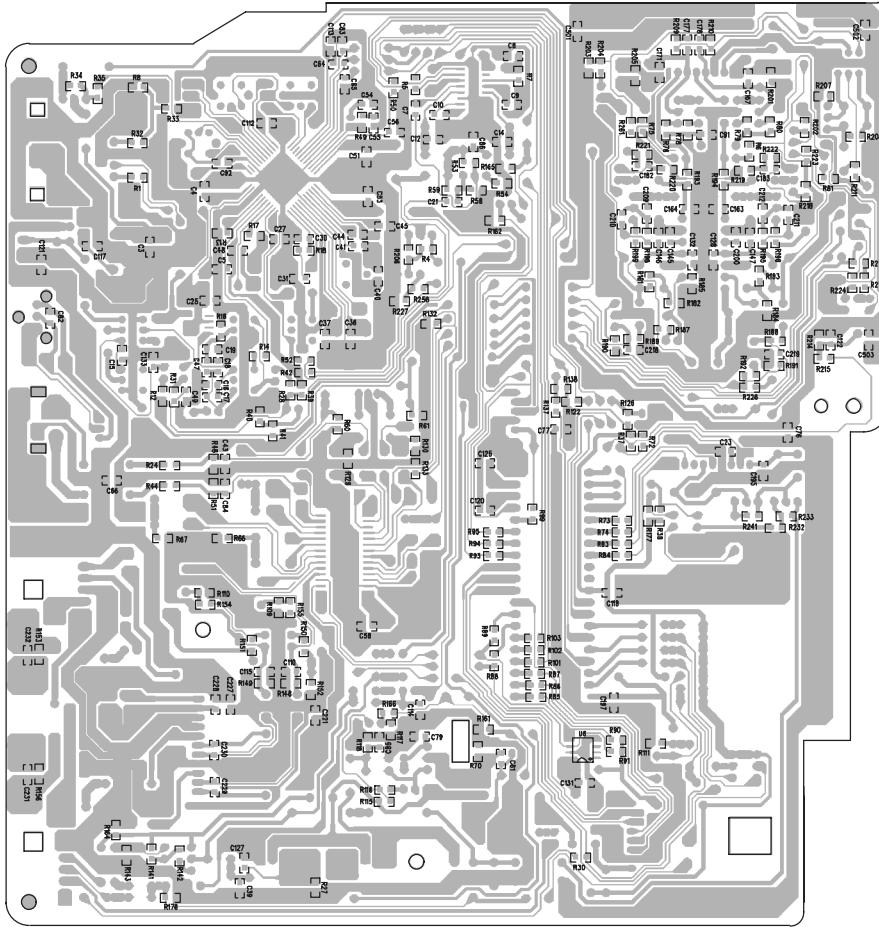
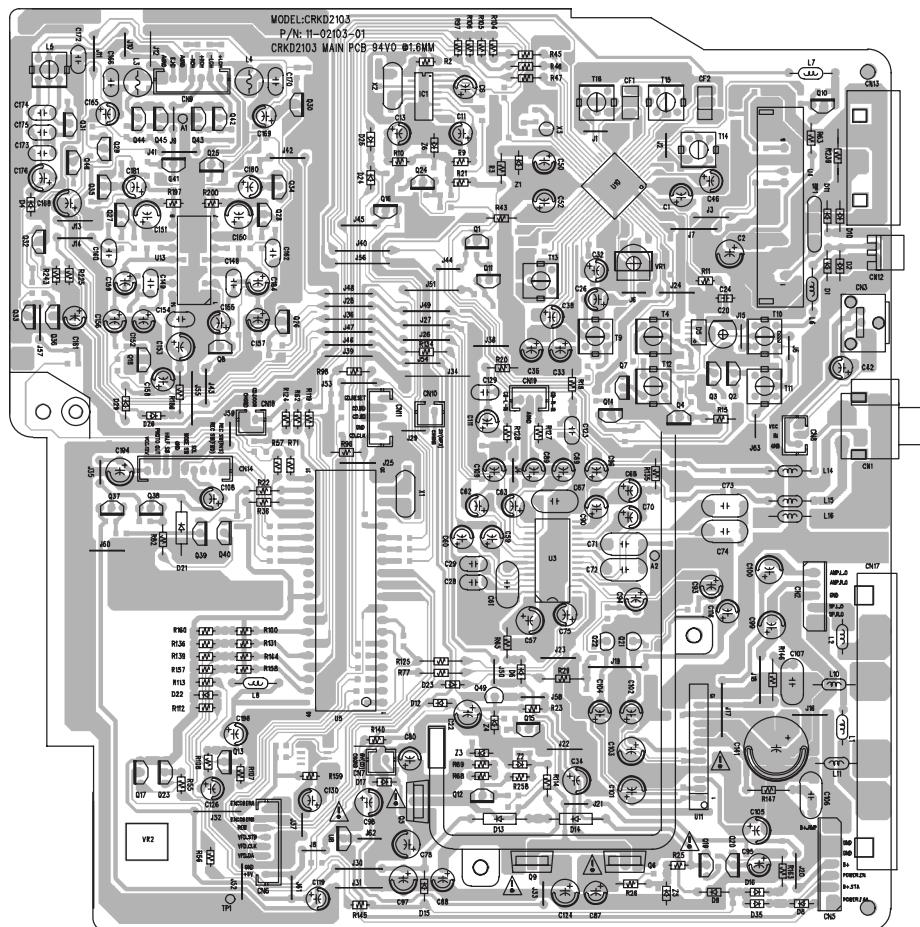
MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL (TAPE AND INPUT/OUTPUT PART)



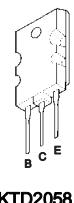
Main P.C.B.
Platine principale
Grundplatte
Piastra principale
Platina principal

Component side
Côté composants
Bestückungsseite
Lato componenti
Lado componentes

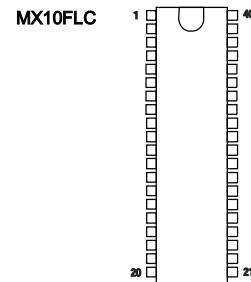
Solder side
Côté soudure
Lötseite
Lato saldatura
Lado del cobre



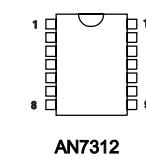
LA4282A



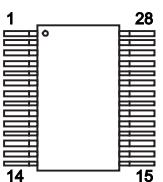
KTD2058



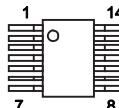
MX10FLC



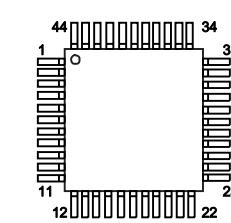
AN7312



PT2314

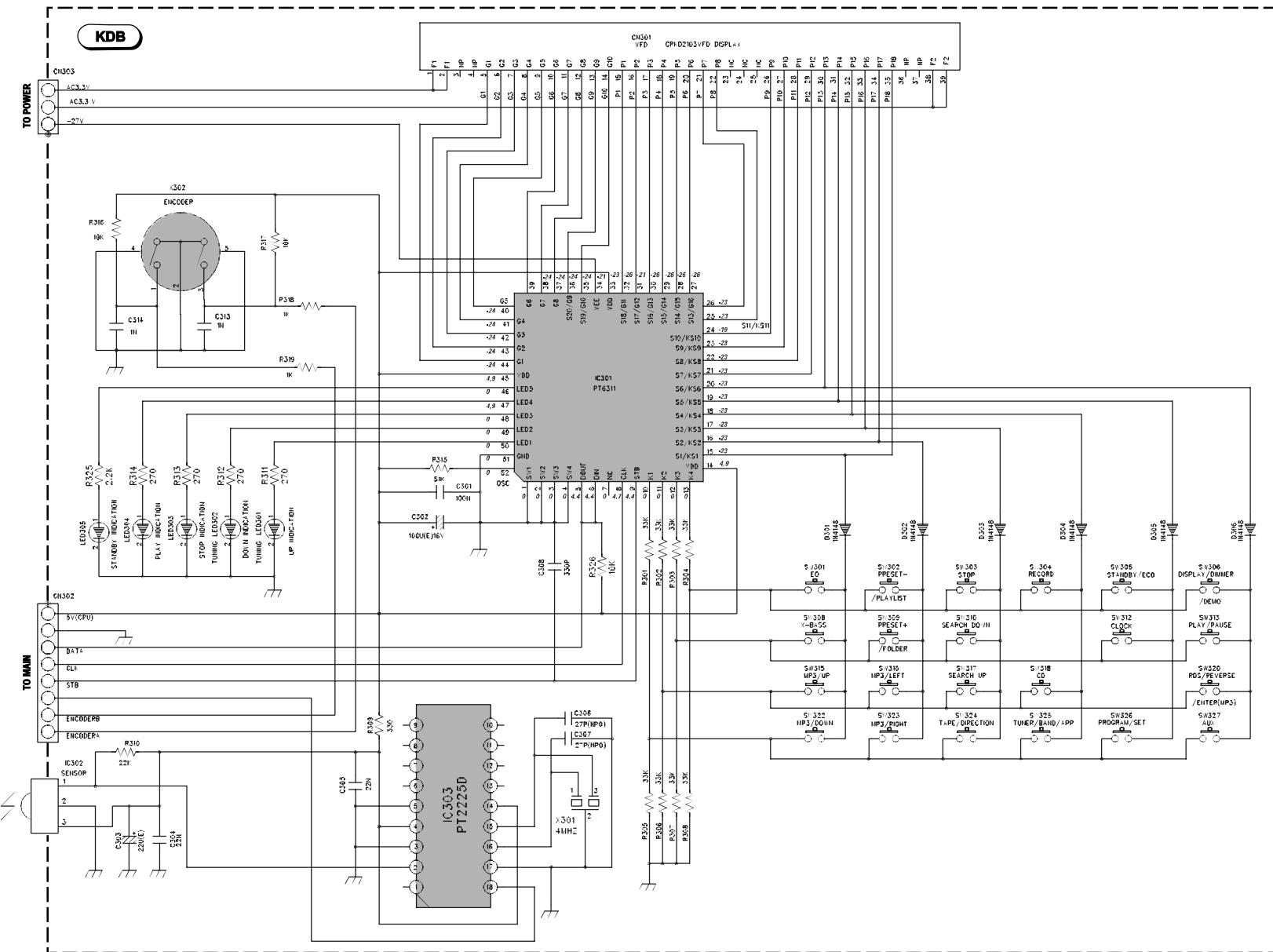


BU1924F

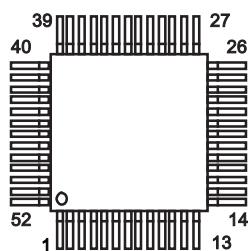
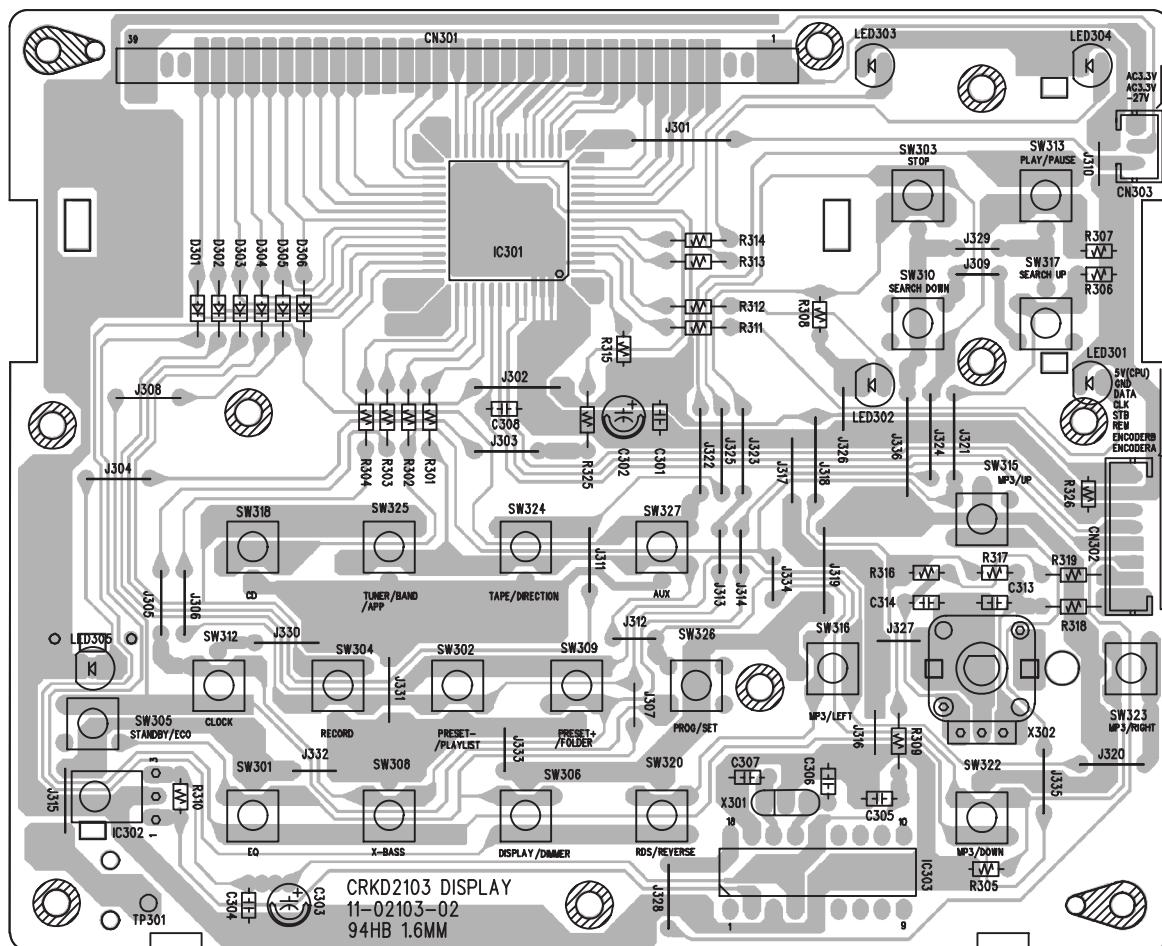


TEA5762

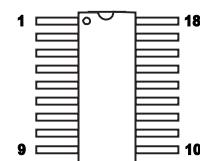
CONTROL / DISPLAY SCHEMATIC DIAGRAM - SCHEMA COMMANDES / AFFICHEUR - SCHALTBILD BEDIENTEIL / ANZEIGE - SCHEMA COMANDI / INDICATORE - ESQUEMA MANDOS / INDICADOR



Controls / display P.C.B.
Platine commandes / afficheurs
Ltpl. Bedienteil / Anzeige
Piastra comandi / indicatore
Platina de mandos / indicadores

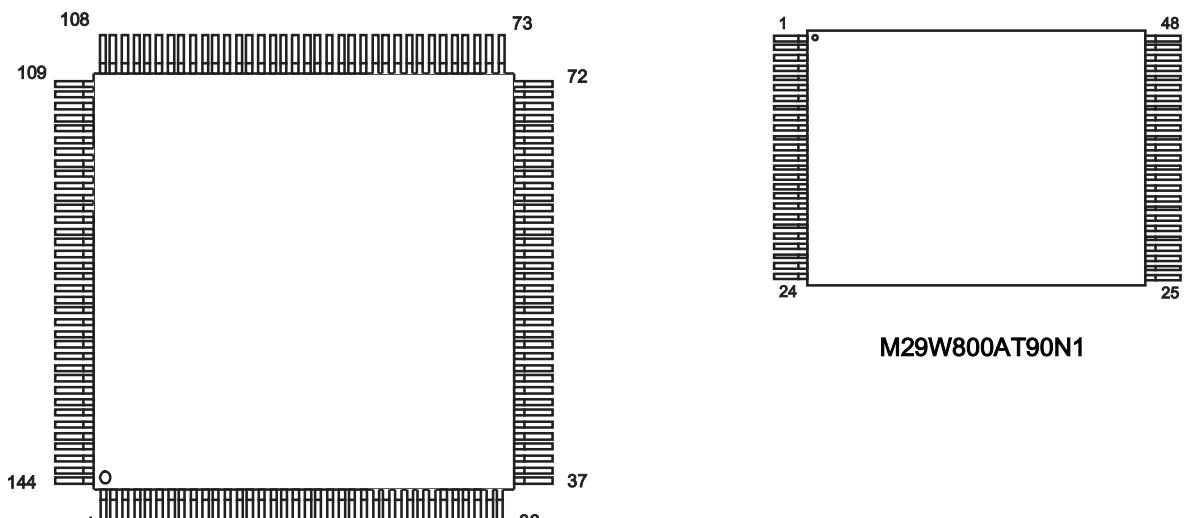
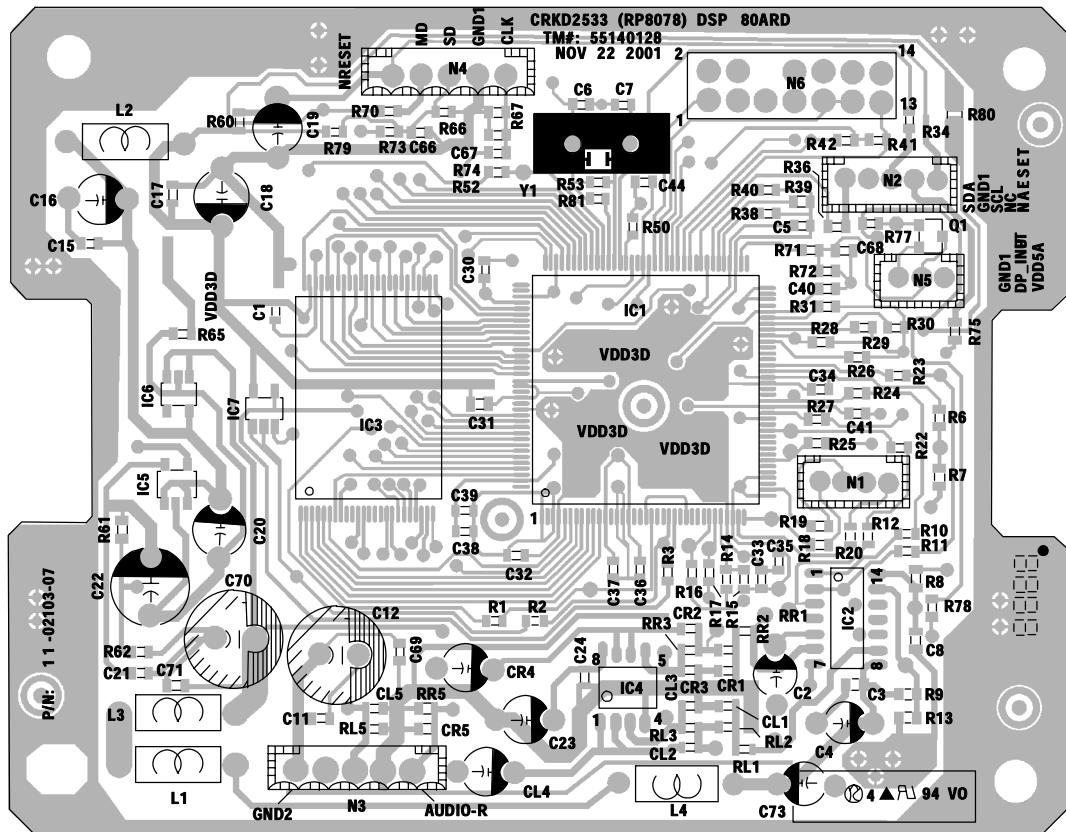


PT6311

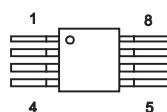


PT22250

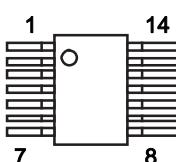
Digital processing P.C.B.
 Platine traitement digital
 Ltpi. Digitalverarbeitung
 Piastra elaborazione digitale
 Platina tratamiento digital



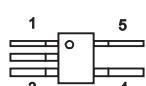
TMS 320VC5416



BA4558F



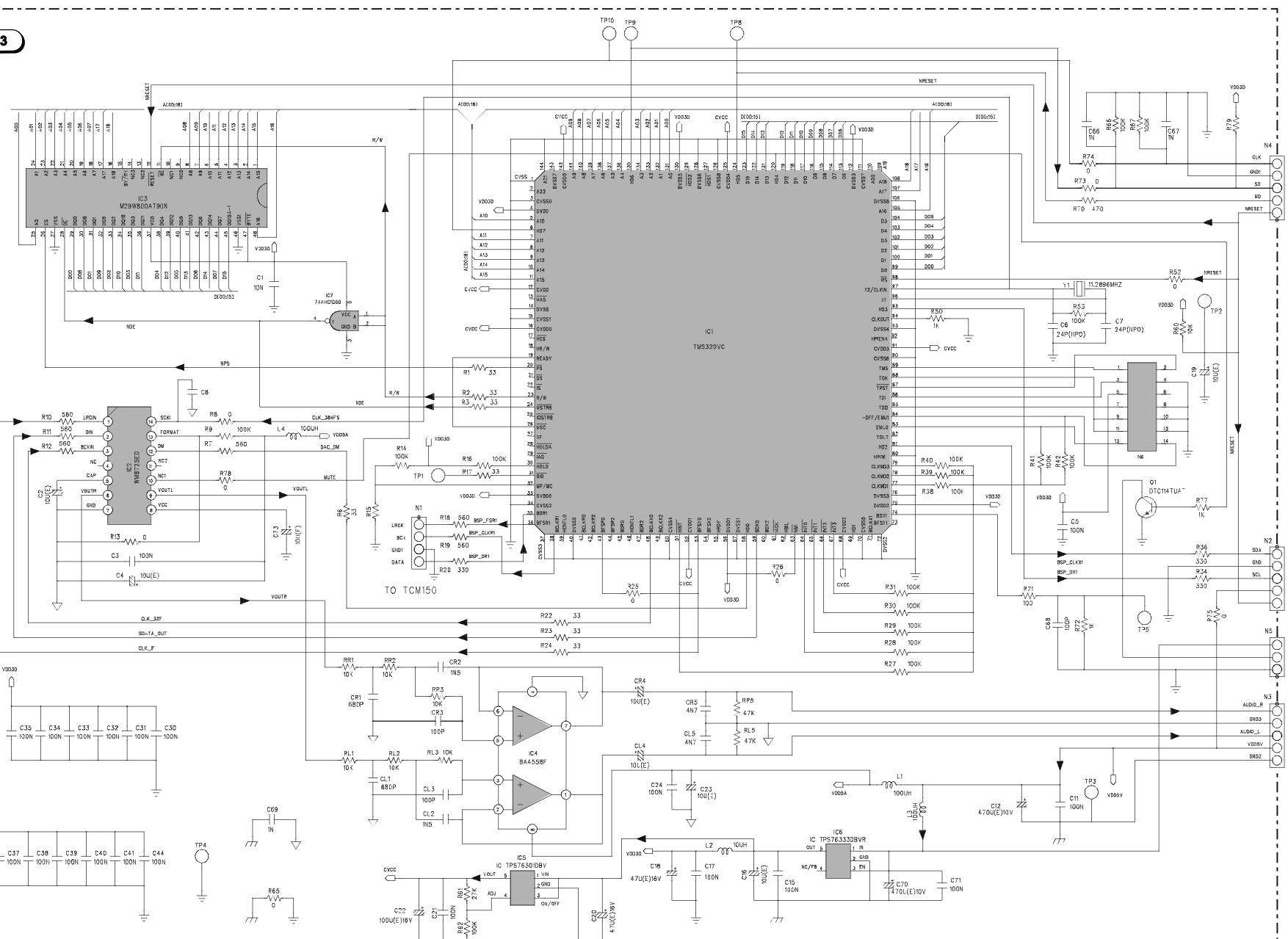
WM8725ED



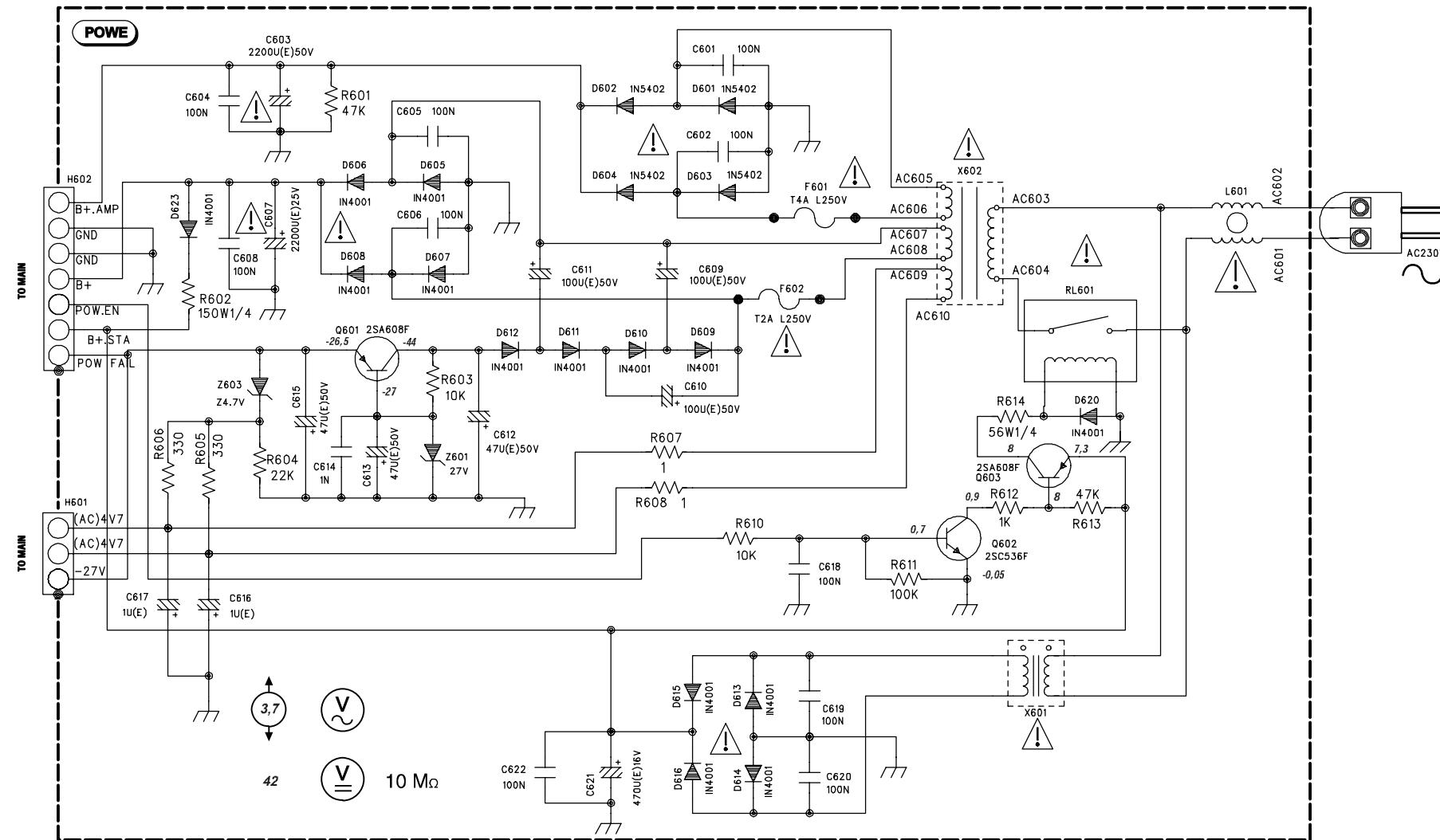
TPS 76331DBVR

DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE - ESQUEMA DEL TRATAMIENTO DIGITAL (MP3)

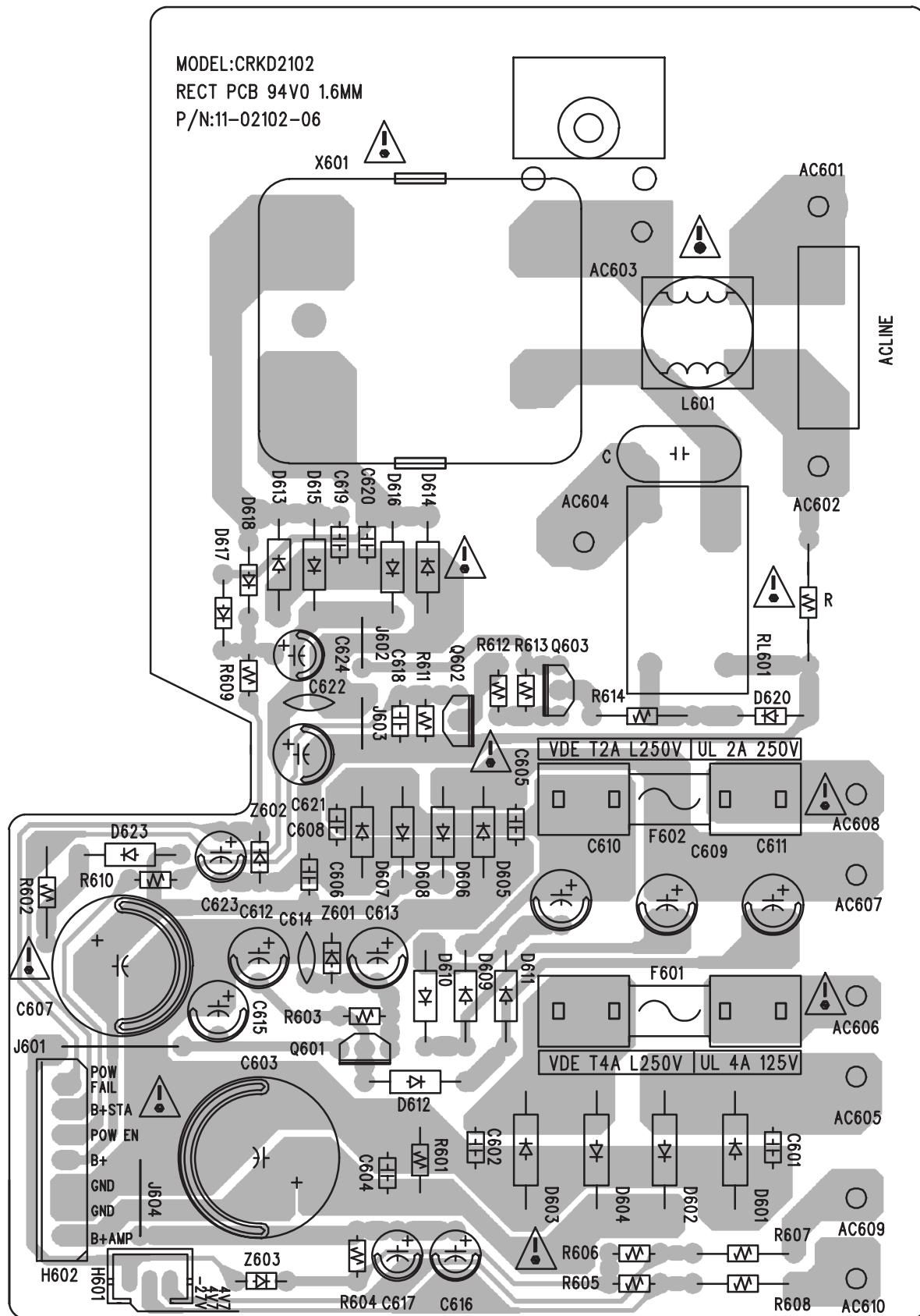
MP3



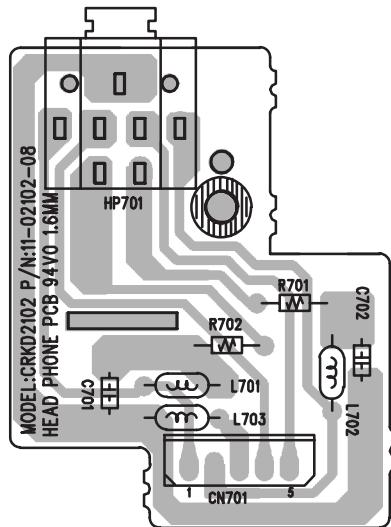
POWER SUPPLY SCHEMATIC DIAGRAM - SCHEMA DE L'ALIMENTATION - SCHALTBILD NETZTEIL - SCHEMA DELL' ALIMENTAZIONE - ESQUEMA DE LA ALIMENTACIÓN



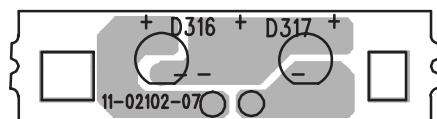
**Power unit P.C.B.
Platine secteur
Ltpl. Netzanschluss
Piastra di rete
Platina de red**



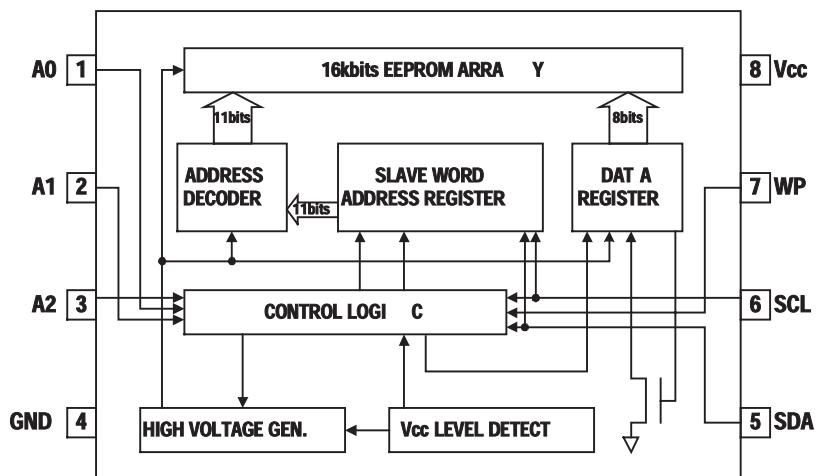
Headphone-jack P.C.B.
Platine prise-casque
Ltpl. Kopfhörerbuchse
Piastra presa per cuffia
Platina toma auriculares



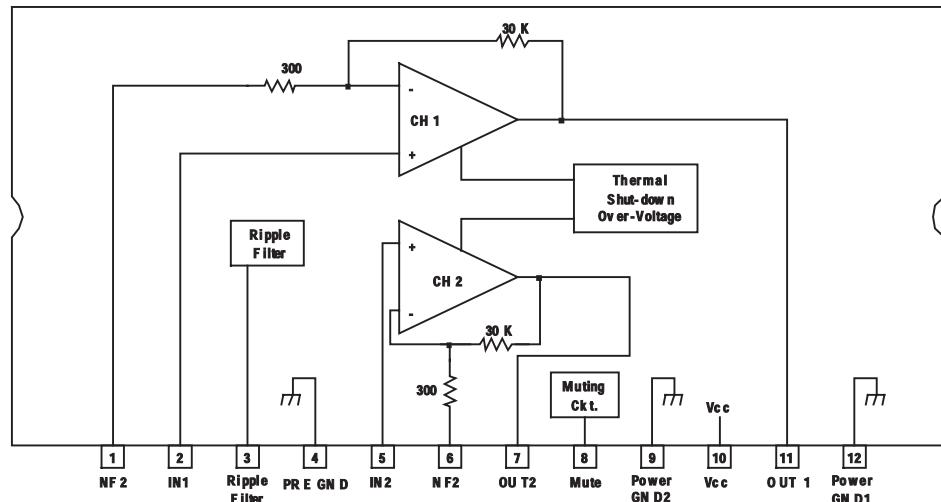
IR receiver P.C.B.
Platine récepteur IR
Ltpl. IR Empfänger
Piastra ricevitore IR
Platina receptor IR



U6 M24C16

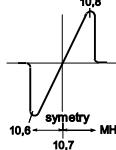


U11 LA4282



ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONI - AJUSTES

AM alignment							
		  or 	 or 			 	  
IF	1			450 kHz	450 kHz	T14 T15	 Maximum output
MW	2			522 kHz	522 kHz	T4	 Vt V = 1,3V +/-0,1V
	3			1620 kHz	1620 kHz	T4	 Vt 7,5 < V < 8,5
LW	4			150 kHz	150 kHz	T12	 Vt V = 1,0V +/-0,1V
	5			283 kHz	283 kHz	T12	 Vt 5,6 < V < 6,6
MW	6	 		603 kHz	603 kHz	T10	 Maximum output
	7			1404 kHz	1404 kHz	C20	 Maximum output
LW	8	 		164 kHz	164 kHz	T11	 Maximum output
	9			283 kHz	283 kHz	T12	 Maximum output

FM alignment							
		  or 	 or 			 	  
IF	1			10.7 MHz	10.7 MHz	T13	
FM	2			87.5 MHz	87.5 MHz		 Vt V = 1,6V +/-0,1V
	3			108.7 MHz	108.7 MHz		 Vt V = 8V +/-0,5V

Decoder							
		  or 	 or 			 	  
	1	 		98,1 MHz	98,1 MHz	VR1	Separation maximum output

TECHNICAL INFORMATION N°2004 - 05

Chassis :

AM1480 (CRKD2103)
AM1485 (CRKD2103U)
AM2080 (CRKD2104)
AM2180 (CRKD2105)
CS350 (CRKD2118)

Symptom / Problem Observed :

The display shows "no disk".

Cause :

Impossibility of reading the new CD copy protected.

Solution :

- **For models AM1480 and AM1485 :**
Modification software by exchanging of integrated circuit in position IC003. New code is : **35728910**.
- **For models AM2080 - AM2180 and CS350 :**
Change the old MP3 board Assy by a new one (**PART No 35663050**).

IRIS Code : The code mentioned below must be used to report the failure on the warranty claims form;
we have included it to make fault report easier and the data more reliable.

Symptom	Part code number	Qty	Position	Section	D.Code	R.Code
1 5 1 4	3 5 7 2 8 9 1 0	0 1	I C 0 0 3	A D P	Y	A
	3 5 6 6 3 0 5 0	0 1		A D P	Y	A

You do not need to write anything in the white boxes.



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2004/02

INFORMAZIONE TECNICA N° 2004- 05

Telaio :

AM1480 (CRKD2103)
AM1485 (CRKD2103U)
AM2080 (CRKD2104)
AM2180 (CRKD2105)
CS350 (CRKD2118)

Problema :

Il display indica "no disk".

Causa :

Impossibilità di lettura dei CD con nuovo sistema anticopia.

Soluzione :

- Per i modelli AM1480 E AM1485 :

Modificare la versione di software cambiando il circuito integrato IC003. Il nuovo codice è: **35728910**.

- Per i modelli AM2080 - AM2180 E CS350 :

Cambiare la piastra MP3 con una nuova, **codice N° 35663050**.

CODICE IRIS : Negli interventi effettuati in garanzia devono essere specificati i seguenti codici :

Sintomo	Codice Ricambio	Qta	Posizione	Sezione	Code F	Code R
1 5 1 4	3 5 7 2 8 9 1 0	0 1	I C 0 0 3	A D P	Y	A
	3 5 6 6 3 0 5 0	0 1		A D P	Y	A

Non scrivere nelle caselle bianche.



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2004/02